



Parking in Downtown Concord Parking is closely linked to: Economic vitality Local business health **Tourism Pedestrian environment Traffic patterns Development potential Bicycling accommodations** Signage and wayfinding Photo: http://www.tocci.com/











Challenges Identified

- Perception of low parking availability and high pricing
- Unfriendly time-limits
- Conflicts: employee vs. customer parking.
- Lack of clear information and signing
- Need user-friendly payment structure and technology
- Inefficient & unfriendly parking enforcement
- Need event parking / management
- Private spaces are currently underutilized
- Need better walking and biking environment
- Financial sustainability of City's parking management structure

Goals & Expectations

Be efficient:

Ensure the <u>parking fund</u> remains <u>self-sufficient</u>

Support economic development:

Ensure an <u>adequate supply</u> of available parking

Improve access to merchants:

Encourage turnover of on-street parking

Improve customer convenience:

Improved <u>way-finding</u> and directional <u>signage</u>

Reduce inefficiencies:

Invest in <u>technology</u> and <u>improve enforcement efficiency</u>

Don't make parking a tax:

Review and implement changes to the rate structure

Efficiently manage an improved system:

Improve City's parking management structure

Schedule

Public Data 2014 **Analysis Process** Parking Supply and Demand Analysis Parking User Profiles Identify Existing Conditions ➤ Public Open House ← Complete → ➤ Parking Utilization Data Collection > Stakeholder Interviews Utilization Database and Mapping Leaseholder Meetings Wayfinding and Pedestrian Analysis User Survey ➤ Land Use Analysis ➤ Project Website ➤ Facility Needs Assessment ➤ Rate Structure Study 2015 Strategy Development, Best Public Meeting (Jan 2015) ← Today! Practices, and Recommendations Draft Parking Management Plan Presentation to the City, Parking Committee, and/or City Council ➤ Final Parking Management Plan

Today's Agenda

- Existing Conditions
 - Parking inventory
 - Parking utilization
 - Land use & shared parking analysis
- Public Process
 - Stakeholder interviews
 - Open House (Oct 6)
 - Online survey
- Recommendations & Strategies
- Q&A

Existing Conditions

Parking Inventory + Utilization

Parking Inventory

There are nearly 10,000 total parking spaces in downtown Concord (include private facilities)

 Of all 3,800 public parking supply (both on-street and off-street)

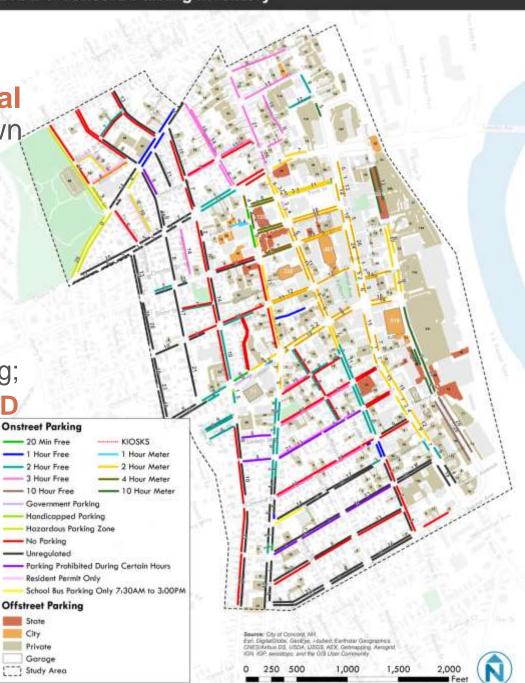
33% are METERED parking;

20% are leased RESERVED

parking;

 the rest are free or with certain restrictions.

55% of all parking is privately-owned



Parking Utilization (Saturday)





10AM-12PM

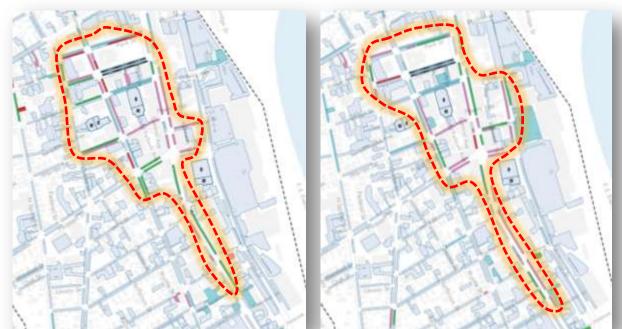
Farmers Market

12PM-2PM

Farmers Market

6PM-8PM

 Night activities along Main Street corridor





Parking Utilization (Thursday)





8AM-10AM

- Employee starting to fill up
- Storrs free parking more than 60% full



10AM-12PM

- More activity on-street
- Main Street getting over 60%
- Garages underutilized

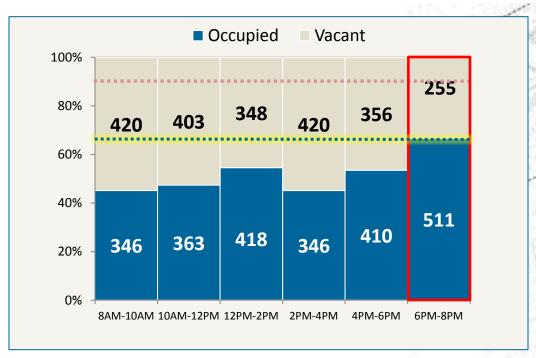


6PM-8PM

Night activities along Main Street corridor

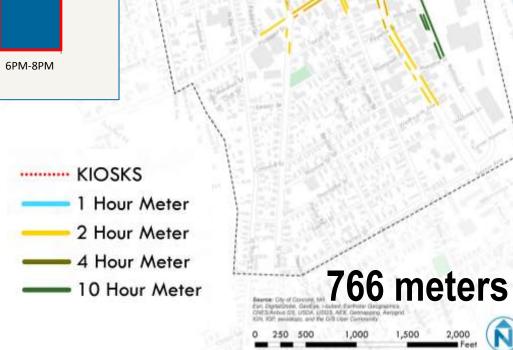


On-Street Meters (Thursday)

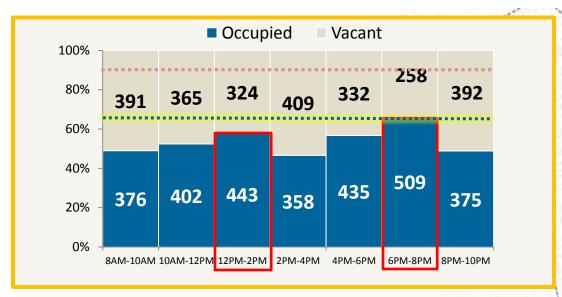


Peak: 67%

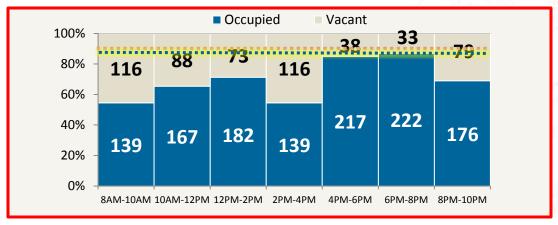
Average utilization: 52%



Core Area & Main Street (Thursday)

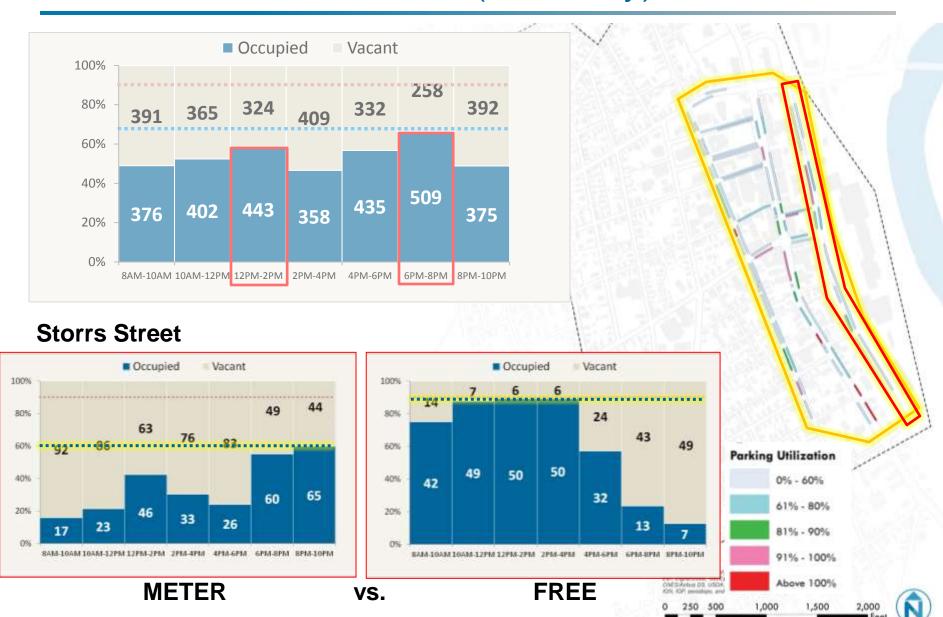


N & S Main Street

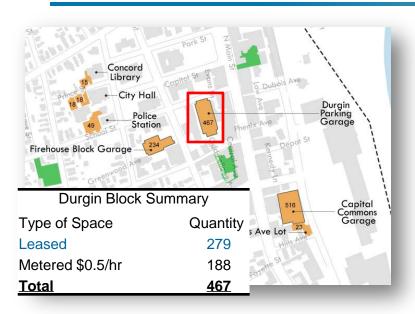




Core Area & Storrs Street (Thursday)



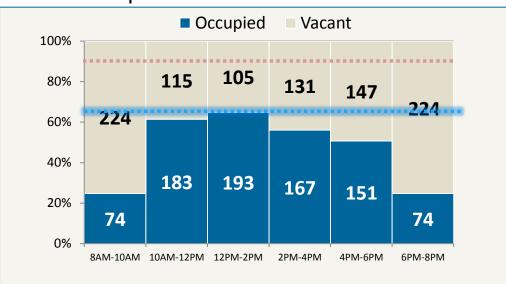
Thursday Durgin Garage



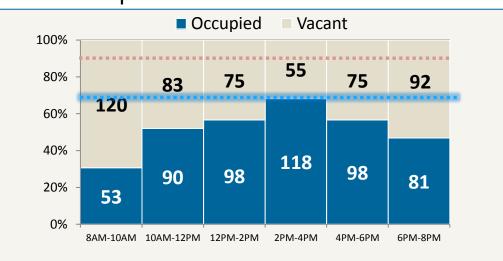
Overall-PEAK 62%



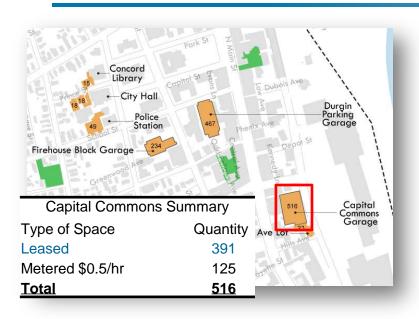
Reserved spaces – PEAK 65%



Metered spaces – PEAK 68%



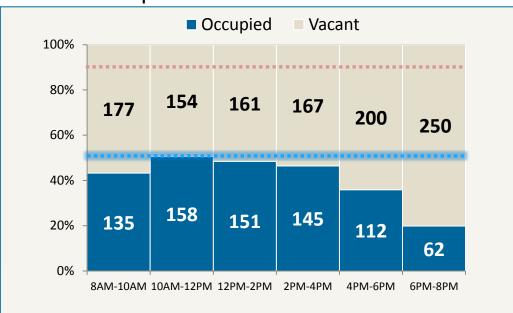
Thursday Capital Commons Garage



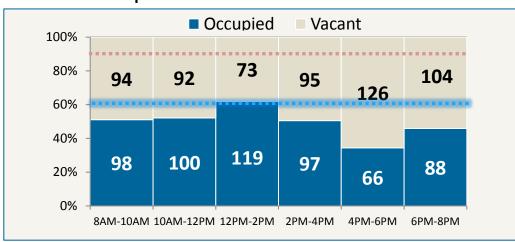
Overall PEAK 54%



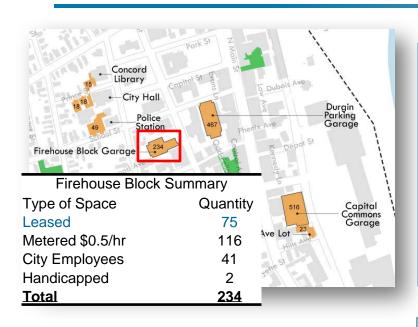
Reserved spaces – PEAK 51%



Metered spaces – PEAK 62%



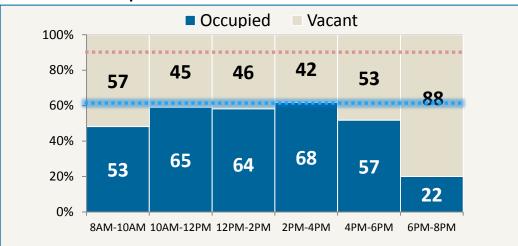
Thursday Firehouse Block Garage



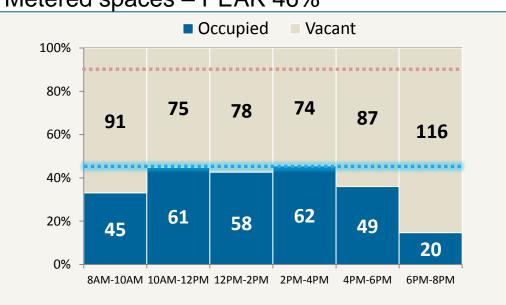
Overall-PEAK 53%



Reserved spaces – PEAK 62%

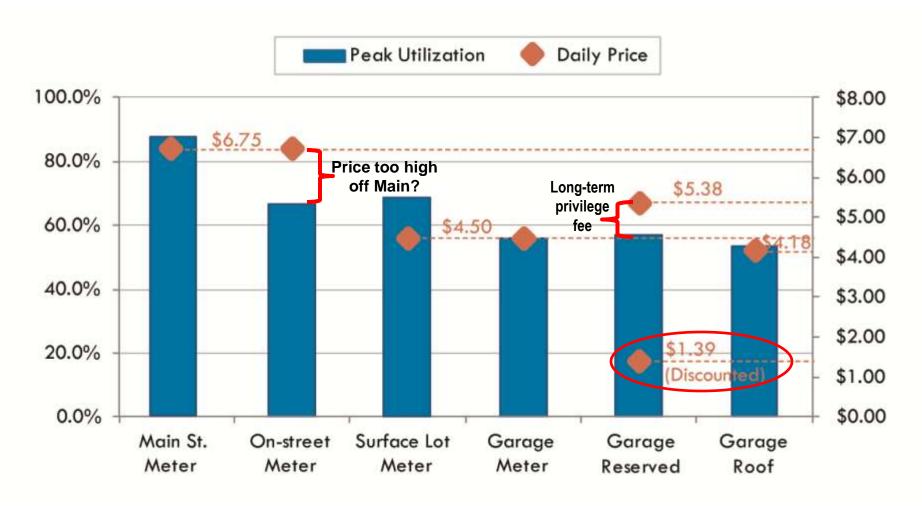


Metered spaces – PEAK 46%



Cost-Effectiveness

Pricing does not match user preferences



Key Findings: Parking Activity

- Less than 60% utilized at peak on weekdays
- Less than 30% utilized at peak on weekends
- Peaks at lunchtime; Main also peaks at dinnertime
- Garages always underutilized, both reserved & metered

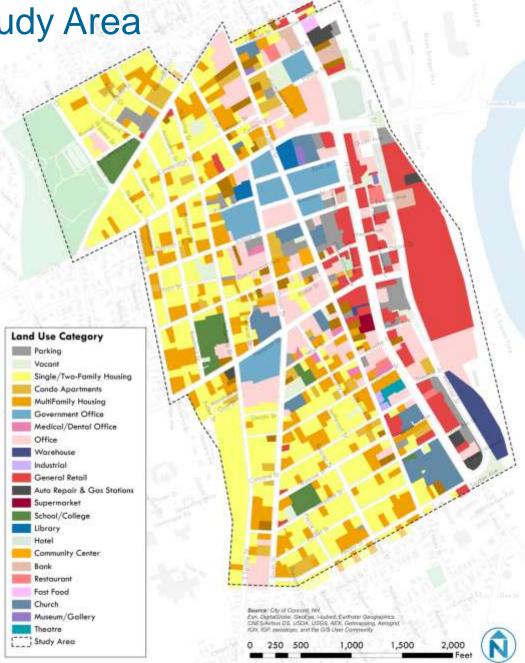
OVERALL SUPPLY IS NOT A PROBLEM

Existing Conditions

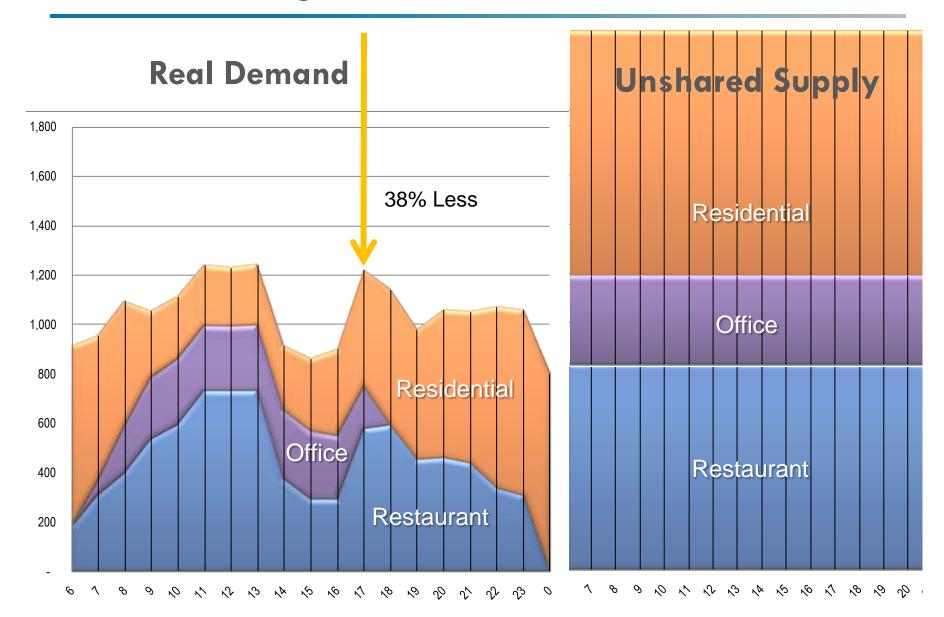
Land Use Analysis

Existing Land Use - Study Area

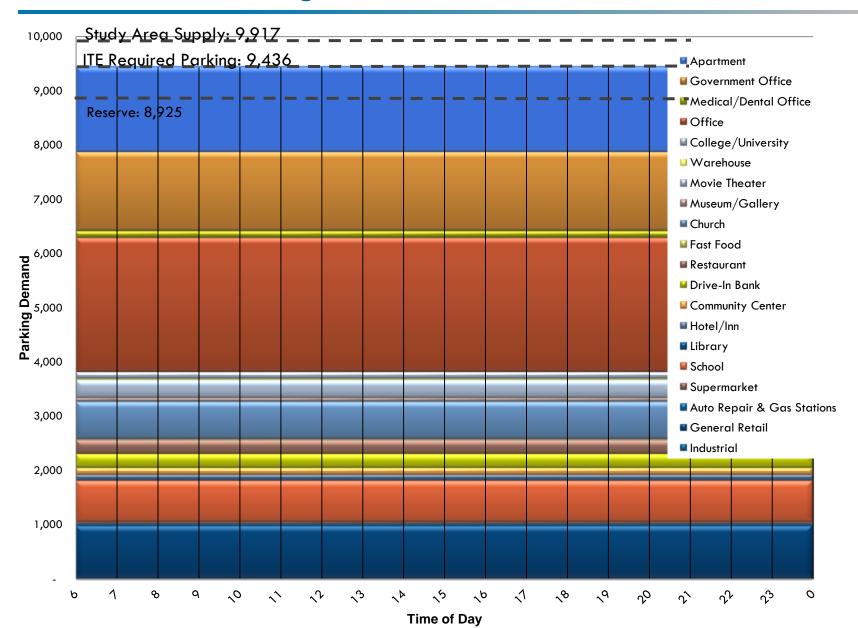
Retail/Commercial/Institutional		
Industrial	16,415	square feet
General Retail	660,393	square feet
Auto Repair & Gas Stations	13,478	square feet
Supermarket	18,006	square feet
School	3,321	students
Library	72,983	square feet
Hotel/Inn	122	rooms
Community Center	118,562	square feet
Drive-In Bank	62,387	square feet
Restaurant	60,644	square feet
Fast Food	2,160	square feet
Church	200,754	square feet
Museum/Gallery	65,141	square feet
Movie Theater	1,304	Seats
Warehouse	98,718	square feet
College/University	556	Campus Pop
Office		
Office	1,244,430	square feet
Medical/Dental Office	38,290	square feet
Government Office	522,968	square feet
Residential		
Apartment	1,449	units



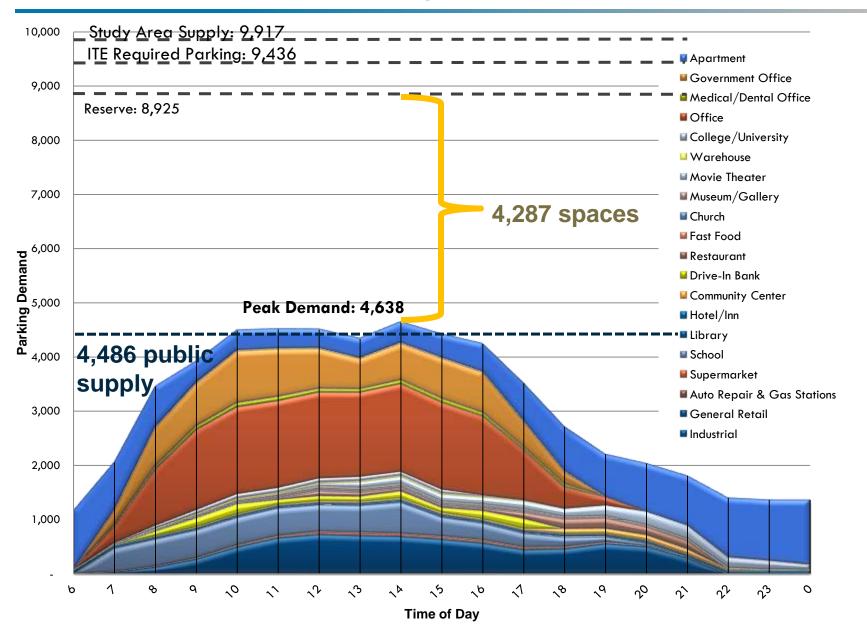
Shared Parking Model



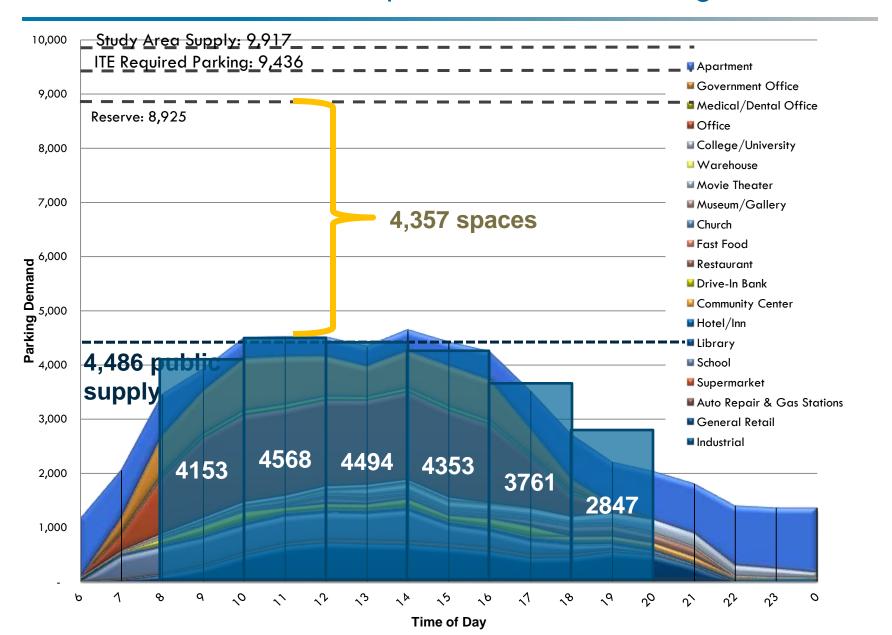
Unshared Parking Demand



Expected Shared Parking Demand



Observed Demand vs. Expected Shared Parking Demand



Existing Conditions

Garage Structural Analysis

Durgin Block Parking Garage

Structural repairs: Concrete floor repairs at the slab-on-grade. Vertical and overhead concrete repairs. CMU wall repairs. Waterproofing repairs: Routing and sealing floor cracks. Remove and replace failed sealant at cove joints. 0 A new traffic bearing waterproofing membrane over areas of full and partial depth concrete slab Re-coat waterproofing membrane at drive lanes. Re-coat waterproofing membrane at parking stalls. MEP Repairs: Remove and replace rusted electrical junction boxes, cabling, and conduit in multiple locations. Remove abandoned security wiring. Remove and replace four corroded 6" steel sanitary drain pipes. Remove and replace negative pitched sanitary drain pipes. Repair leaking sanitary dra Repair non code compliant sanitary pipe repair on ground floor Clean existing drainage system. Repair and repaint rusted risers. Repair broken support at standpipe on Level B. Check for hydraulic oil degradation due to odor of oil in the interior of the elevator cab. Repair elevator indicator lights. 0 Repair rusted stair well landings and railings. Miscellaneous repairs: Remove all of the concrete wheel stops.

Firehouse Block Garage

Structural repairs:

- Partial and full depth concrete repairs at the pan/joist slabs.
- Concrete beams, stair runs and landings, columns, wall and curb repairs.
- Concrete at the slab-on-grade floor repair.

Waterproofing repairs:

- Routing and sealing floor cracks and removing and replacing failed sealants at previously repaired cracks.
- Removing and replacing failed sealant at the construction and cove joints.
- Replacing deteriorated expansion joint seals at the entry and roof levels of the parking garage.
- Removing and replacing all existing de-bonded and damaged membrane at supported levels
- A new traffic bearing waterproofing membrane over areas of full and partial depth concrete slab repair.
- Application of a corrosion inhibiting sealer at the slab-on-grade.

MEP Repairs:

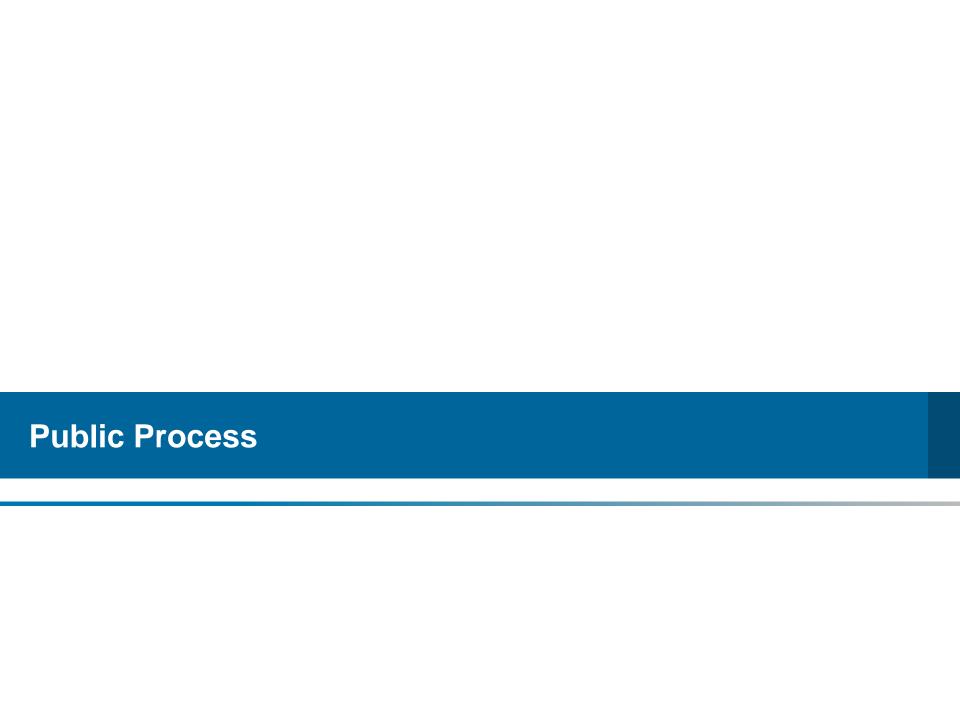
- Remove abandoned security camera wiring from roof deck.
- Repair negative pitch piping.
- Remove and replace rusted piping in the basement.

Miscellaneous repairs:

- Replace rotted timber bumpers along parapet wall.
- New traffic striping
- Removing all of the concrete wheel stops

Capital Commons Parking Garage

- Structural repairs:
 - Concrete pour strip repair.
 - Overhead tee stem and wall repair.
 - Concrete column repair.
 - o Re-paving the deteriorated sections of asphalt at the slab-on-grade.
- Waterproofing repairs:
 - Repair stair tread spalled concrete at second level.
 - Repair failed vertical joint sealant within the single stair case towers.
 - Repair failed mortar between brick masonry and concrete lintels.
 - Replace all existing sealants between precast floor joints.
 - o A new traffic bearing waterproofing membrane over areas that are worn thin.
 - Routing and sealing of floor cracks at the precast, pre-topped tees and the cast-in-place pour strips.
 - Installation of a new supplemental floor drain and piping to alleviate ponding water on roof deck.
- MEP Repairs:
 - Remove and replace fire extinguisher enclosures as required.
 - Re-lamp 4' horizontal fluorescent light fixtures on ground level.
 - Clean existing drainage system.
- Miscellaneous repairs:
 - New traffic striping.



Stakeholder Interviews

- Downtown Merchant / Community Organizations
- Policy Makers
- City Parking Division
- General Services Department
- Landlords & Developers
- Key Institutions (State of NH, NH Legislature, US Federal District Court, UNH School of Law, Capitol Center for the Arts, Red River Theatres, Concord Music School, etc.)
- Business Owners
- Residents
- Downtown Employees
- City Administration
- Individual Lease Holders



Public Open House – Oct 6

PUBLIC OPEN HOUSE







This is an Open House... drop in for an little or as long as you'd like!

Questions? Please Call: Matthew R. Wash, Email: mwatin@concordnh.gov (603) 225-8570

For more information, please with www.concordin.gov or www.bostopour.com/Concordin/Fatting







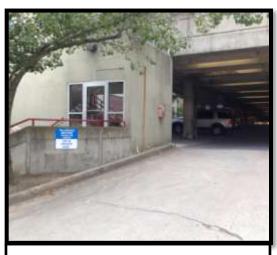


44 S Main St

How well you know about your City Garages?

respons<u>es</u>

- 1. Do you know the name of these 3 garages?
- 2. Have you ever parked in these?
- 3. How much do you think it costs you to park in these garage?



Firehouse Block Garage

40% got the name right45% got the price right70% parked there



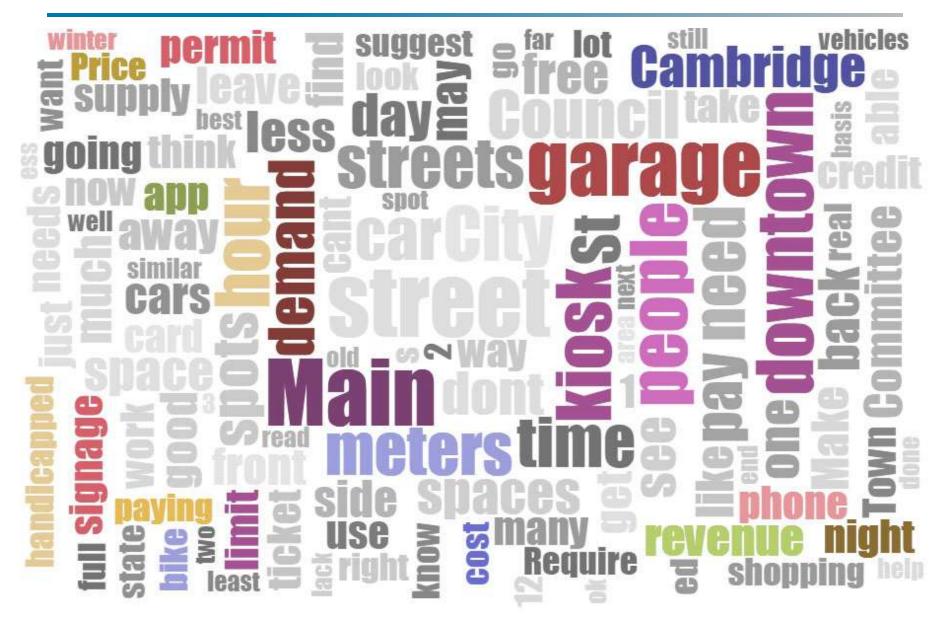
Durgin Garage

35% got the name right45% got the price right80% parked there

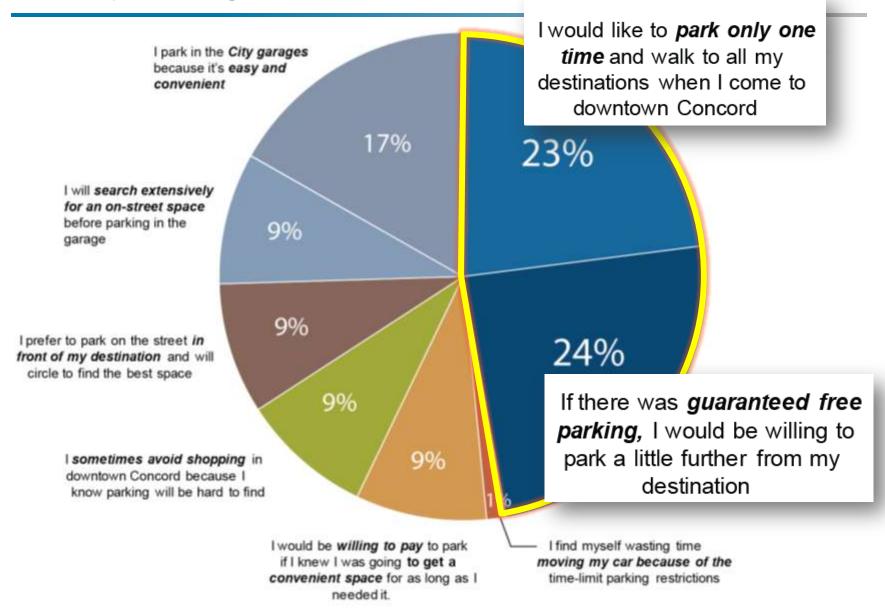


55% got the name right60% got the price right100% parked there

"Sticky Wall" Notes



Priority Voting Exercise



Draft Public Markup Map



ISSUES

- Time limit
- Weekend
- Garage sp
- Garages n
- Signage fo
- Meters an
- Need bett

OPPORTU

- Make it ea
- Make gara
- Consider i
- Replace of as pay-by
- Create dat
- It is easy t
- Create are

ISSUES

- Time limit is a bigger deterrent than pricing
- Weekend parking is vital to businesses
- Garage spaces should be less expensive than on-street
- Garages need better signage and improved maintenance/security
- Signage for where to park is poor to non-existent
- Meters and kiosks are older, difficult to use
- Need better monitoring and security in garages

summer and parking in winter on Main Street.

- Remote parking potential at Fruit & Clinton







ed spaces

cleaner walkways nage t or pay-on-exit mit

Turn into

nino Place resident here

or Mennino Place ess hours dential parking

Draft Public Markup Map



ISSUES

- Time li
- Weeke
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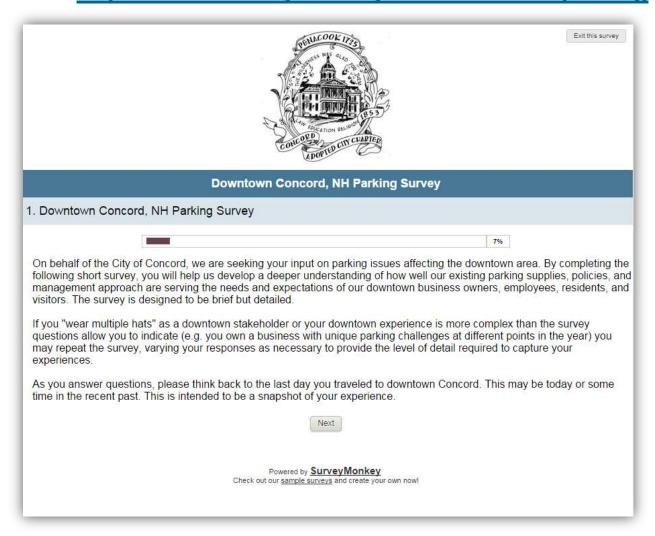
OPPORTUNITIES

- Make it easier to buy parking cards
- Make garages pay-on-exit
- Consider initial free parking period for customers?
- Replace old meters with kiosks or new technology, such as pay-by-cell (pay mobile)
- Create database of all public and private spaces available
- It is easy to find parking in garages
- Create areas of textured pavement for seating in summer and parking in winter on Main Street.
- Remote parking potential at Fruit & Clinton



Parking User Survey: 584 responses

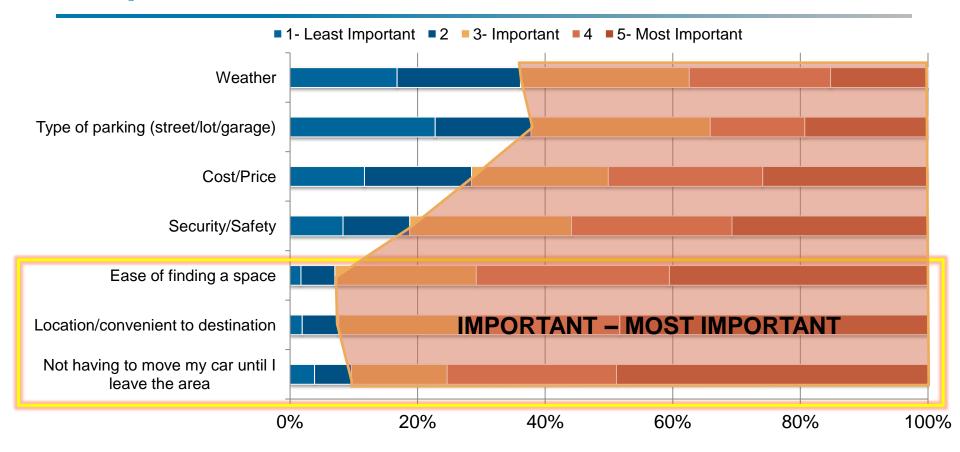
ONLINE SURVEY: https://www.surveymonkey.com/s/concordparking





October 6 -November 30

People Value Most...

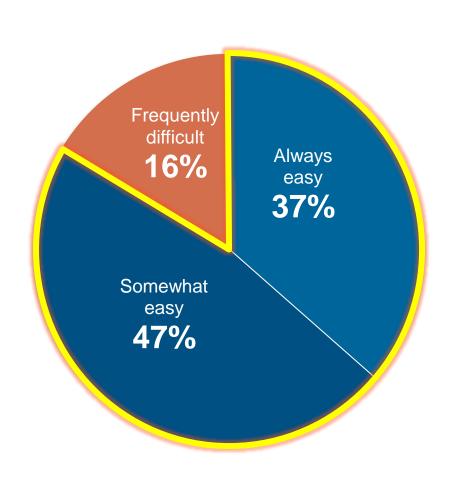


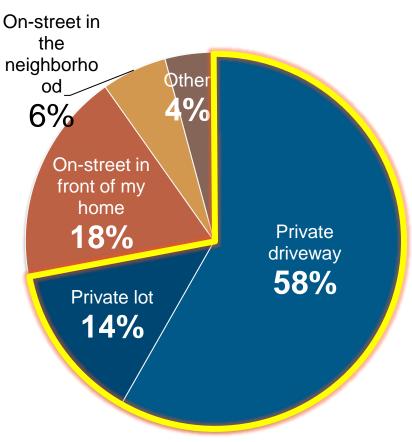
- 1. Ease of finding a space
- 2. Location/convenient to destination
- 3. Not having to move my car until I leave the area

Residents don't have much difficulty finding parking

How easy is it to find on-street parking in your neighborhood?

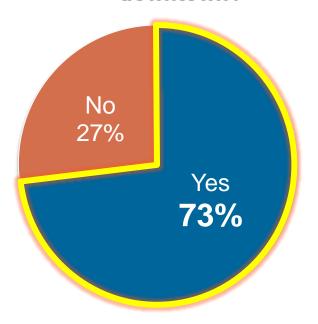
Where do you normally park at home?



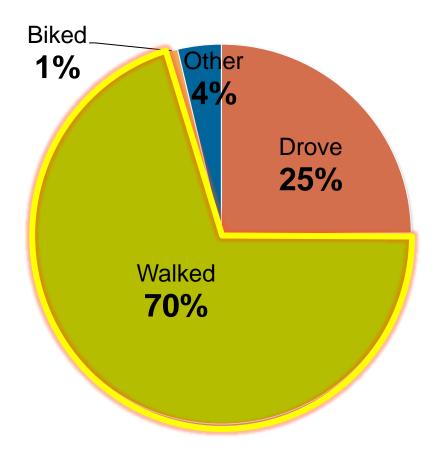


<u>Customers/Visitors</u> travel to >1 establishments and walk between

Did you travel to more than one establishment during your last visit to downtown?

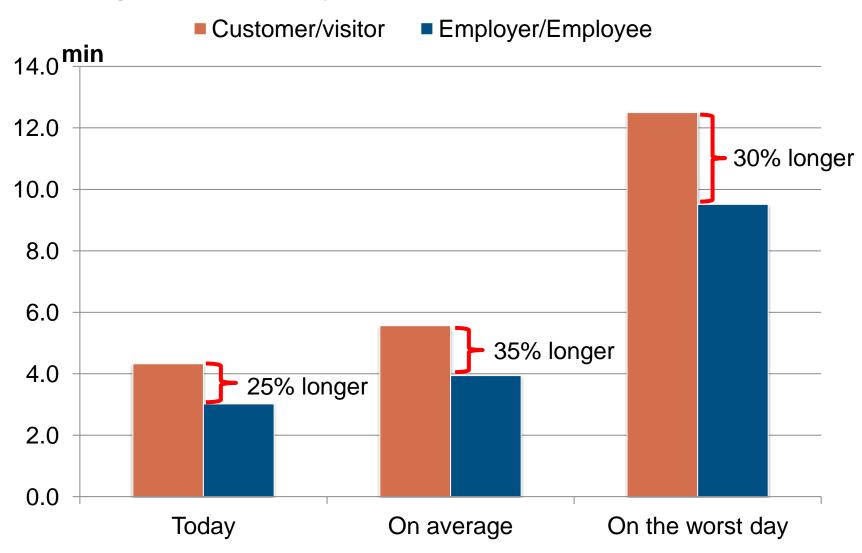


How did you travel between establishments?



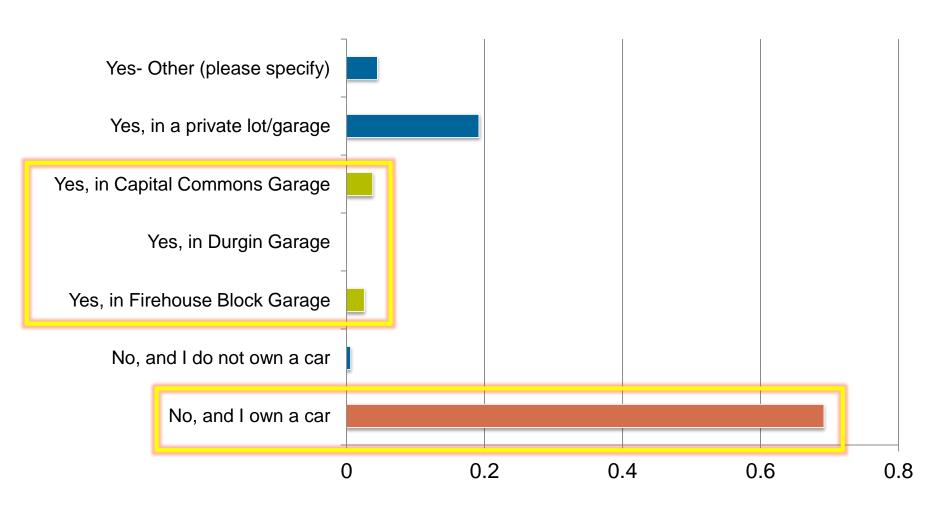
Customers spend a longer time finding parking

How long did/ does it take you to find a spot... (in minutes)



Employees are hunting for long-term garage spaces Only 6% of Employees have reserved parking in public garages

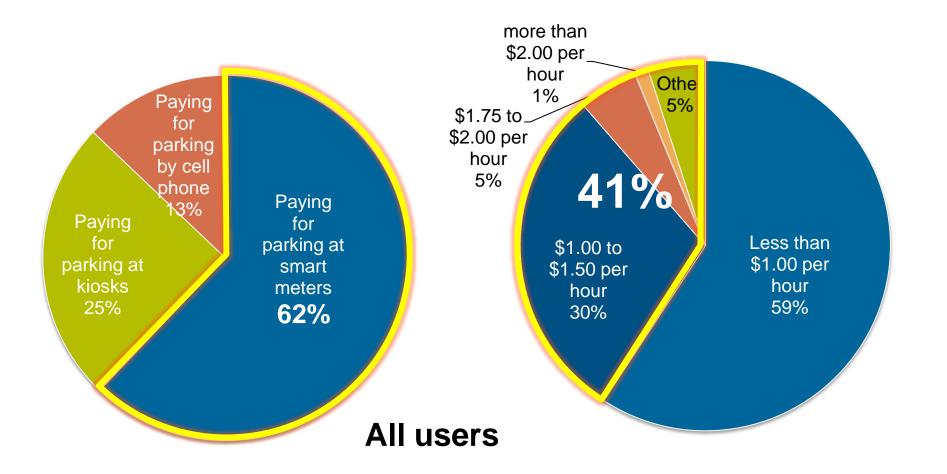
Do you have a reserved space in surface lot or garages in Downtown Concord?



People prefer smart meters... and are willing to pay more...

Which do you prefer along commercial streets such as Main Street?

How much would you be willing to pay to ensure a convenient on/off-street spot in Downtown Concord?

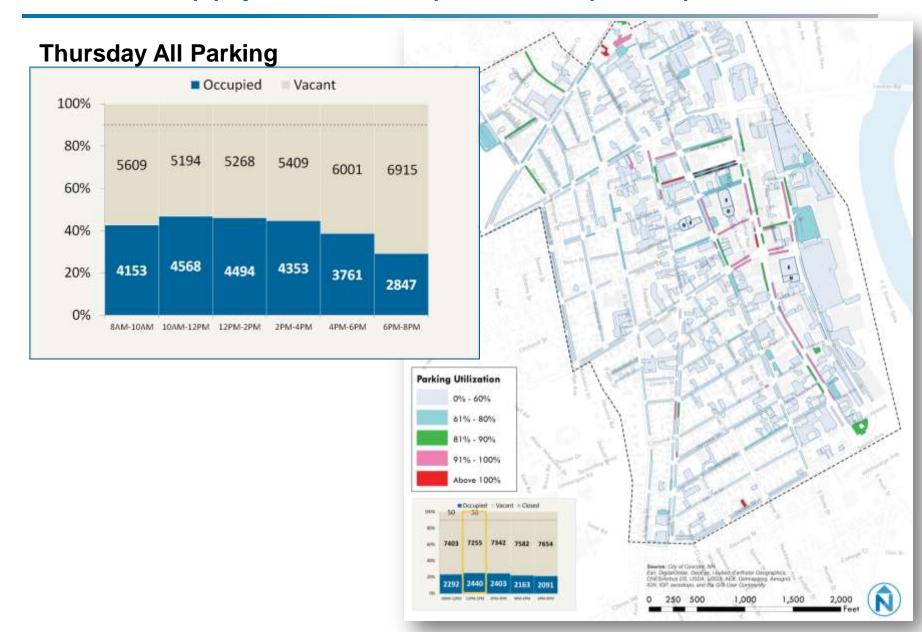


Key Findings: Public Input

- Like to park once and walk between establishments
- Time limit is a bigger deterrent than pricing
- Perception of low parking availability and high pricing
- No clear information and signing
- Willing to pay to get guaranteed space
- Improve the payment structure and technology
- Underutilized private spaces

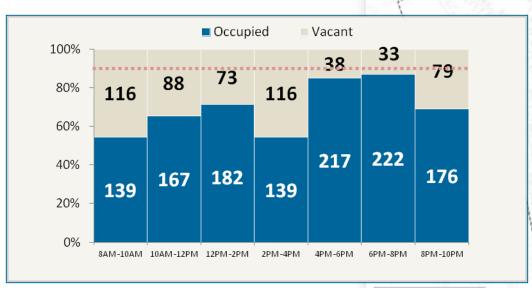
Key Findings + Challenges DRAFT

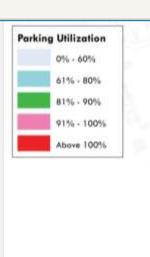
Overall supply is not the problem, perception is.



Perception of low availability on Main Street

Thursday N & S Main Street

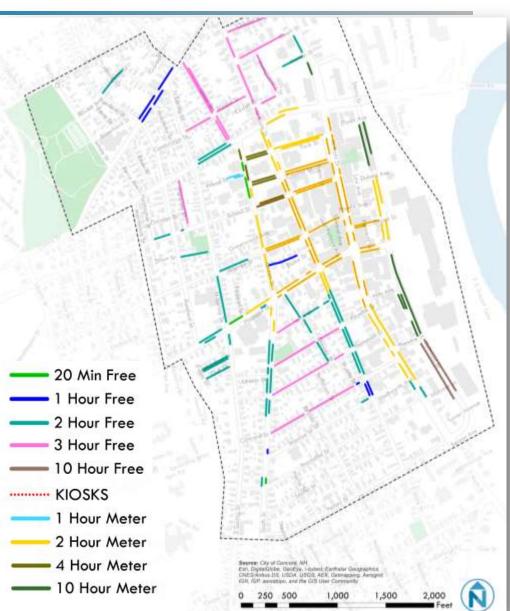






Time-limited payment system discourages customers





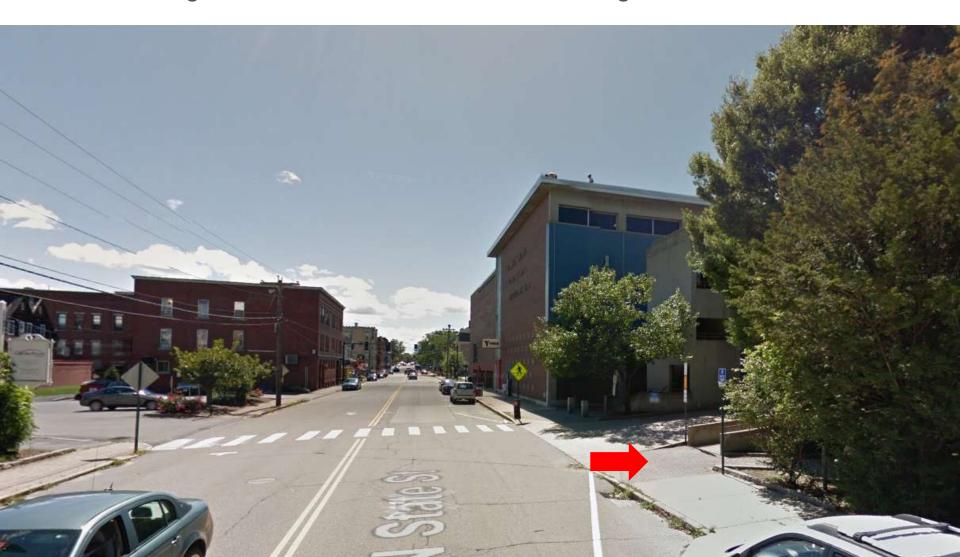
Limited signing and wayfinding

■ At Your Arrival – S Main St Gateway



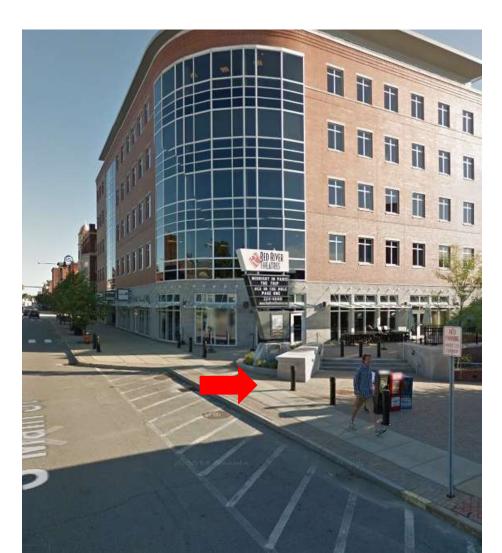
Limited signing and wayfinding

Garage Entrance – Firehouse Block Garage, N State St Entrance



Limited signing and wayfinding

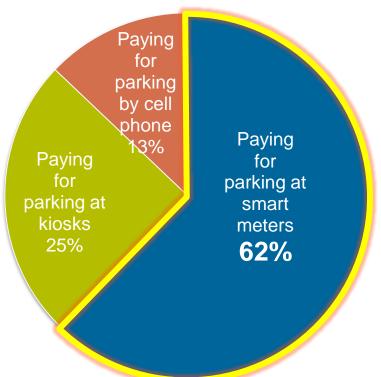
Did you know here is a pedestrian/ADA entrance to the garage?





People prefer smart meters

Which do you prefer along commercial streets such as Main Street?



Pay-and-display is inconvenient

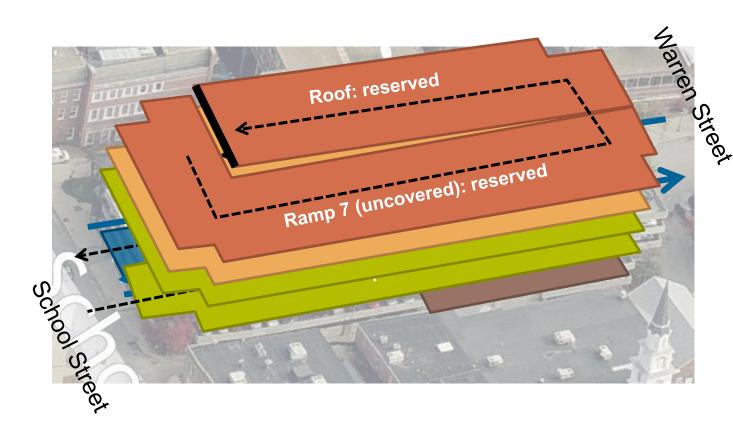
- during winter
- with kids
- for elderly
- Technology hard to use
- Kiosks take money at night and weekends



Leased parking is taking up the most premium and convenient spaces

Durgin Block Summary	
Type of Space	Quantity
Leased	279
Metered \$0.5/hr	188
<u>Total</u>	<u>467</u>

- Ramp 5 & up: Reserved
- Ramp 1-4: Meter
- Ground: Reserved
- Basement: Reserved

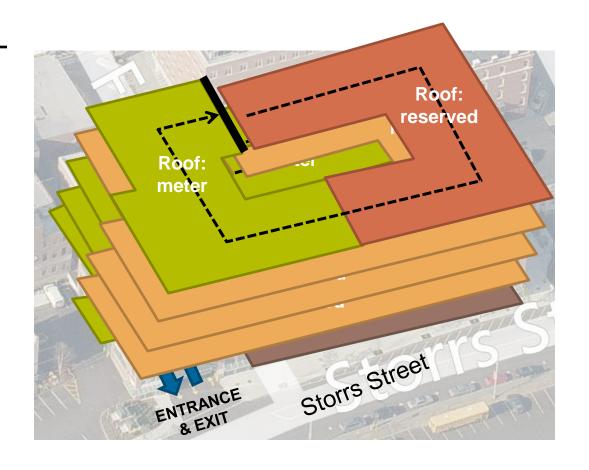


Leased parking is taking up the most premium and convenient spaces

Capital Commons Summary

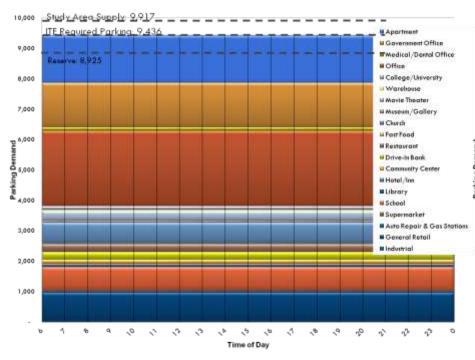
Type of Space	Quantity
Leased	391
Metered \$0.5/hr	125
<u>Total</u>	<u>516</u>

- Roof:
 - Meter & Reserved
- 4th Floor
 - Meter & Reserved
- 3rd Floor
 - Meter & Reserved
- 2nd Floor
 - Meter & Reserved
- 1st Floor
 - Meter & Reserved

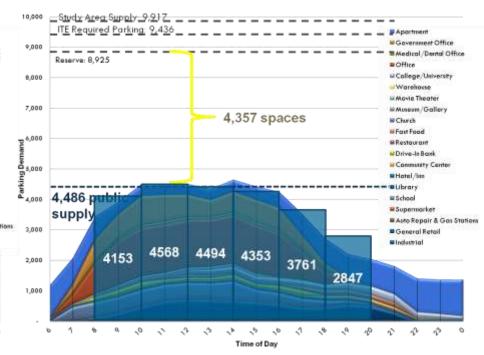


Underutilized private parking

Unshared Parking Demand



Observed Demand vs. Expected Shared Parking Demand



DRAFT

Strategies and Recommendations

Ideas

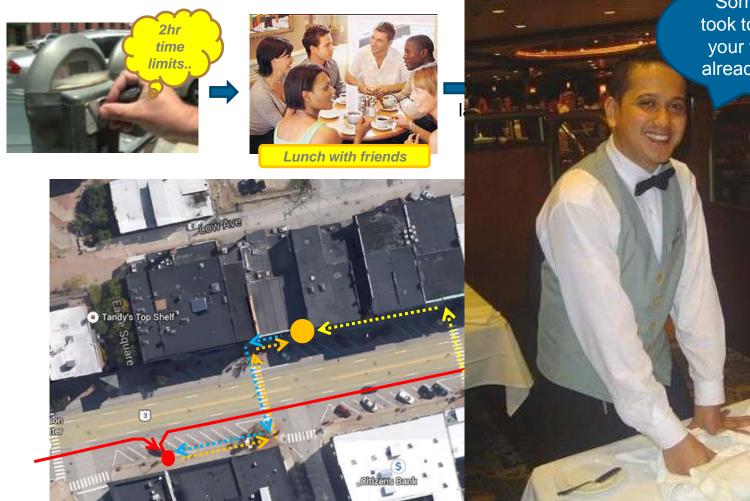
- 1. Eliminating Time Limits
- 2. Add Availability Through Pricing
- 3. Revise Garage Rates
- 4. Redesign Garage Configuration
- 5. Add Information/Clarity
- 6. Add Technology
- 7. Add Event/Valet Parking
- 8. Shared Parking
- 9. Revise RPP Program
- 10. Friendlier Enforcement
- 11. Change Governance
- 12. Improve Multimodal Access

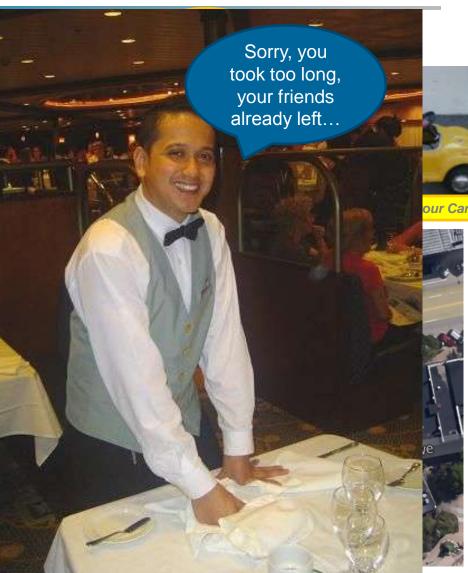


Focus on Availability



1. Eliminating Time Limits for metered parking



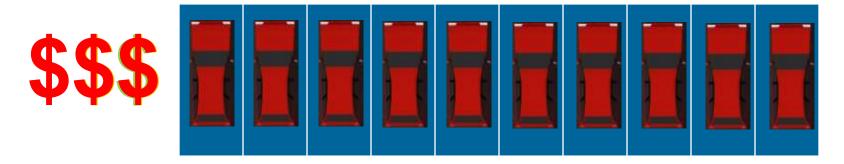


2. Create Availability Through Pricing Current Secondary Zone: \$0.75/hr metered on-street **Proposed** Three-tier pricing Core Zone: \$\$\$ **\$55** Primary Zone: \$\$ Secondary Zone: \$ Remote Zone: free Longer time span & Saturdays **Primary Zone: Parking Utilization** 0% - 60% 61% - 80% 81% - 90% **Remote Zones: Core Zone** 91% - 100% **Free Parking** Above 100% **No Overnight Parking** Occupied Vecent (except residents) 09 5194 5268 5409 6001 6915 Tari DiphelDide, Geoffye, -cubed Earthster Geographics CASS/Arthus DS, USDA USDS, AEX, Geomacong, Aeropis

Focus on Availability

Methodological approach:

- Not turnover. Turnover Availability
- Not time limits. Time limits Availability
- Pricing is the right tool. \$\$\$ ⇒ Availability



- Let customers stay for ice cream
- Match policy to behavior
- Use carrots not sticks (parking tickets!)



Improve Off-Street Parking Options

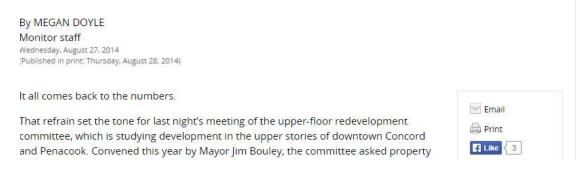


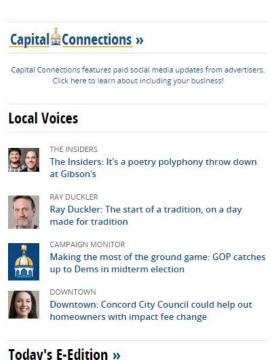
We heard from both Employees and Residents...

"Where can I find private or public options for leasing spaces?"



Above downtown streets, Concord committee is trying to make development add up





Building codes are guided by state statutes, but building owner Mark Ciborowski suggested the city could restructure its own system of impact fees for building projects. He also zeroed in on the issue of parking, saying the tenants for quality downtown housing would expect to have their own parking spaces.

"The numbers (to build a parking garage) don't work for a private developer," Ciborowski said. "That's where the city does need to step in as a municipality."

In Penacook, building owner Beth Gabrielli said she wanted to convert vacant commercial space at 316-322 Village

3. Revise Garage Rates



Current

- Hourly rates (~500 spaces)
 - \$0.50/hr
 - Daily Max: \$4.50
- Leased rates (~750 spaces)
 - Covered: \$1,344/year
 - Uncovered: \$1,044/year
 - No monthly/quarterly permit

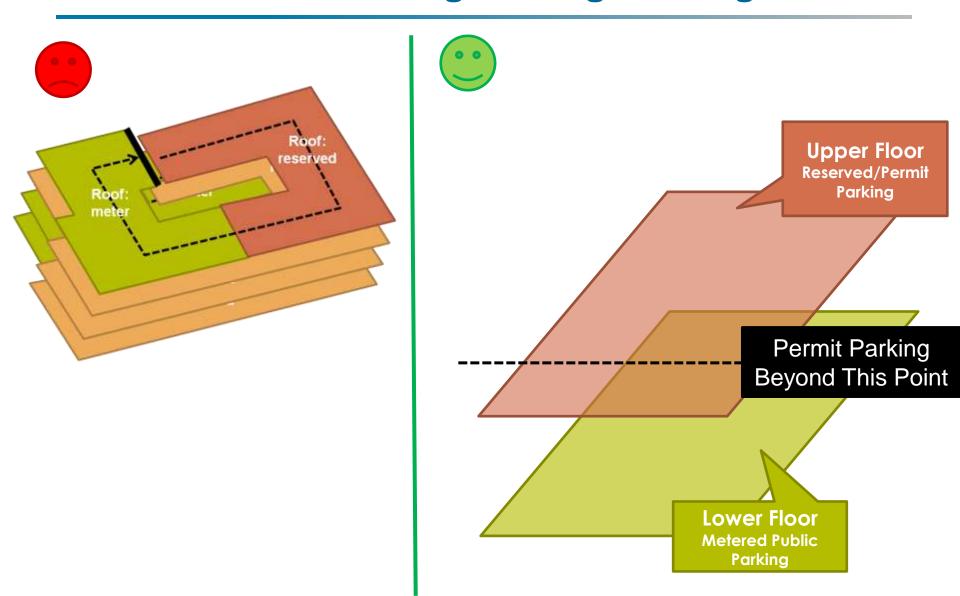


Proposed

- Hourly rates (~350 spaces)
 - \$0.50/hr
 - Daily Max: \$4.00
- Tiered rates (~1,100 spaces)
 - Reserved Space: \$\$\$
 - Preferred 24/7: \$\$
 - Weekday Only (8-6):
 - Weekend/overnight: \$
 - Available monthly

New parking for businesses/employees New parking for downtown residents

4. Short-Term: Redesign Garage Configuration



4. Long-Term: Pay-on-Foot Maximum efficiency, Maximum revenue



payonfoot

When you arrive at the garage:

Push Blue Button

To get a ticket.



Take your ticket with you

while you go and enjoy



When you return to the garage:

Pay at the Pay Station

Your ticket becomes an exit pass



When your vehicle reaches the exit:

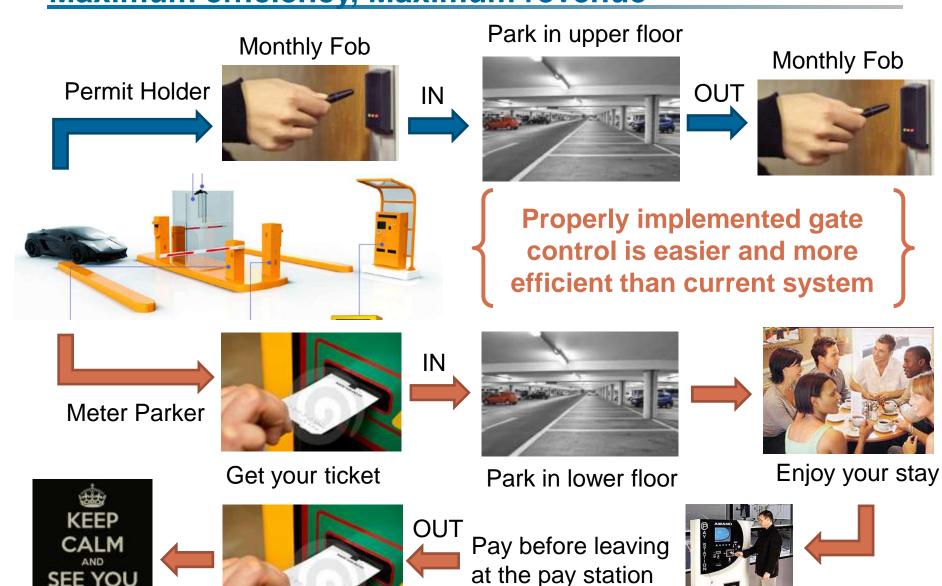
Insert Ticket & go!

Please Buckle Up & Drive Safely.

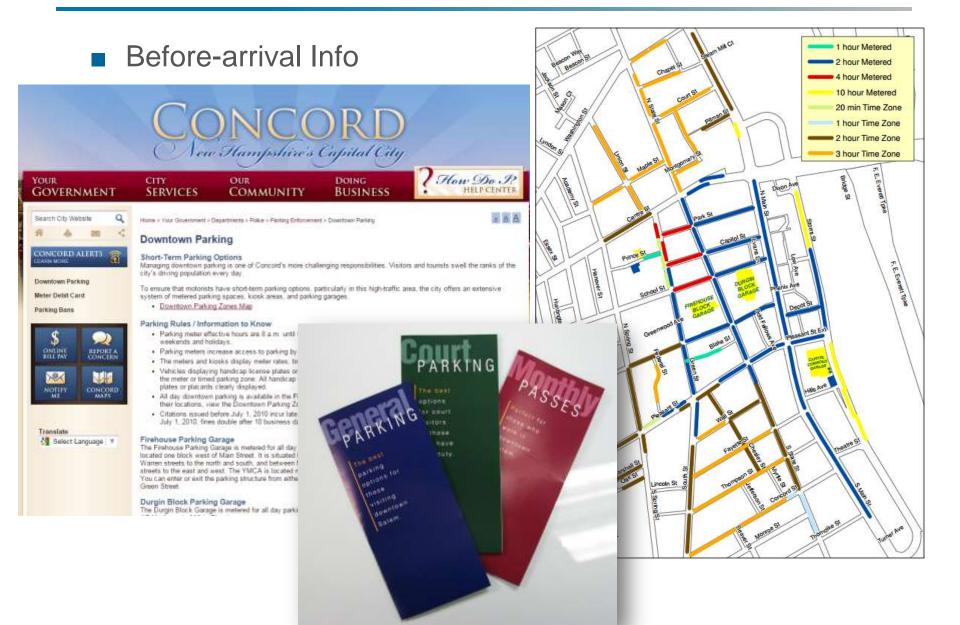
- Use gate control, but also have:
 - Attendant at the beginning
 - easy-to-use technology
 - better paper receipt quality
 - Permit holder exempt from hourly charge



4. Long-Term: Pay-on-Foot Maximum efficiency, Maximum revenue



5. Signage and Wayfinding Information



User-Friendly Information

Using the New Pay-By-Space Parking Meters

If your parking space doesn't have an old-fashloned parking meter, it is regulated by our new "Pay-By-Space" meters. These meters are very convenient and offer many benefits, such as credit card payment, cell phone payment, dollar bill payment, the ability to add time from any meter, and less sidewalk clutter.



How to use them:

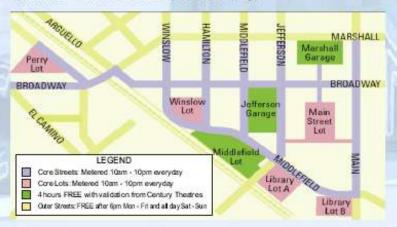
- Note your stall number (for on-street parking it is on the curb, for parking lots it is at the back of the stall).
- Go to any pay-by-space meter and enter the stall number.
- 3. Pay and gol

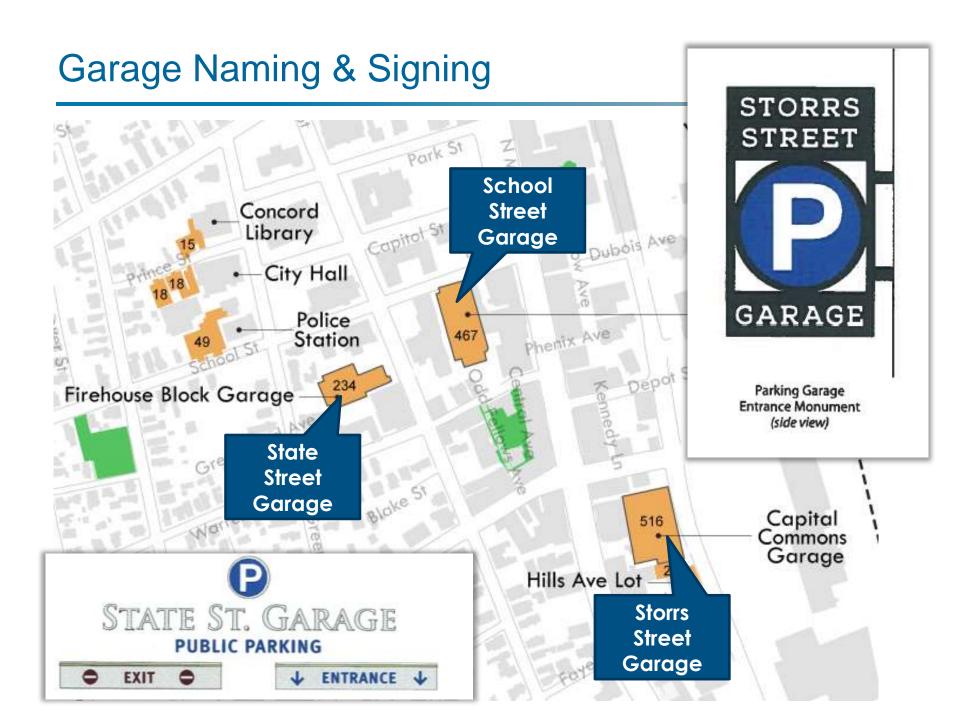
Free Parking on Nights and Weekends

Yes, in Downtown Redwood City we now charge for parking in some areas on nights and on weekends. We know that many of you want to park right in the heart of the action and keeping the meters on helps ensure that you can get a spot as close as you want. What good is free parking if it is all full?

But if you are a connaisseur of FREE PARKING, don't wairy! We've got something for everyone!

The map below shows which areas are free at night and on the weekends, and which areas aren't. Freebles are available within one block of Broadway!





Downtown Wayfinding

- Define clear rules
- Identify free and long-term parking
- Identify major points of interests
- Guide pedestrians back to their car











6. Technology

Smart Technology:

- Makes enforcement more efficient
- Makes it easier for customers to park
- Can generate substantial revenue

■ 101 Types:

- Pay and display
- Pay by space
- Pay by license plate
- Smart meters
- Pay by cell
- Real-time availability information
 - Integration with enforcement equipment









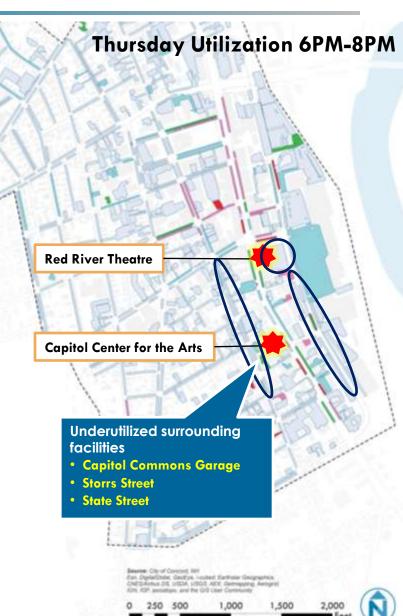




7. Create an Event Management Plan

- Plan for and utilize nearby underutilized parking facilities during times of peak demand
- Information and signage should clearly designate parking facilities for event times

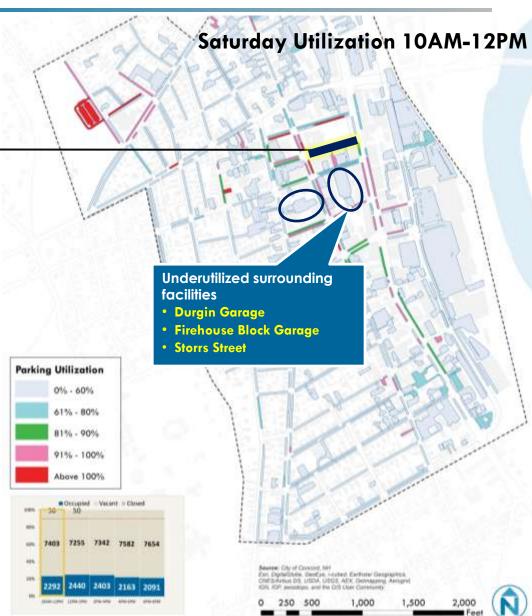




7. Create an Event Management Plan

Road closed – Farmers Market



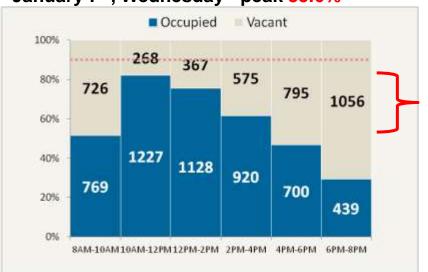


7. Legislative Parking – Additional Data Collection

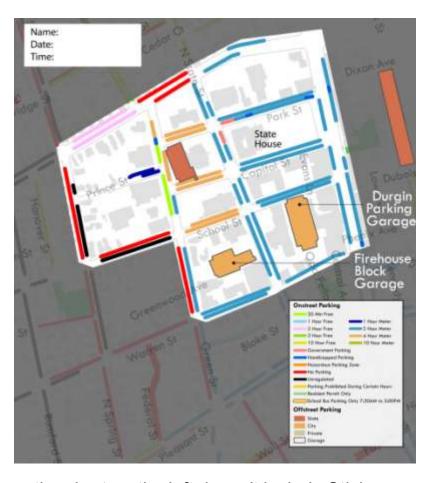
September 18th, Thursday – peak 55.3%



January 7th, Wednesday - peak 83.6%



400 more cars

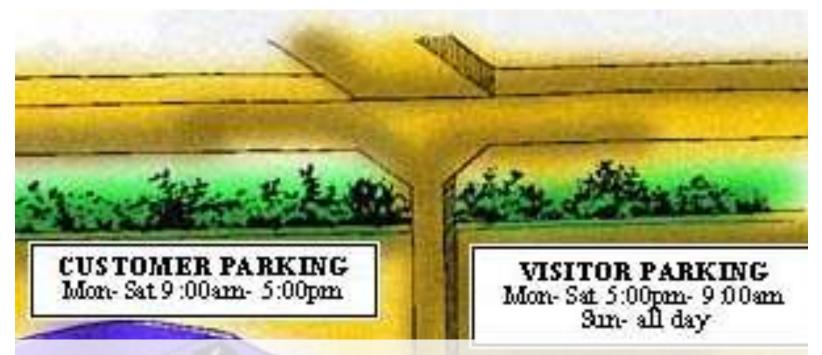


Note: the chart on the left doesn't include Stickney Avenue Lot as it is out of the study area and was not included in September data collection

7. Valet the Legislative Parking



8. Shared Parking

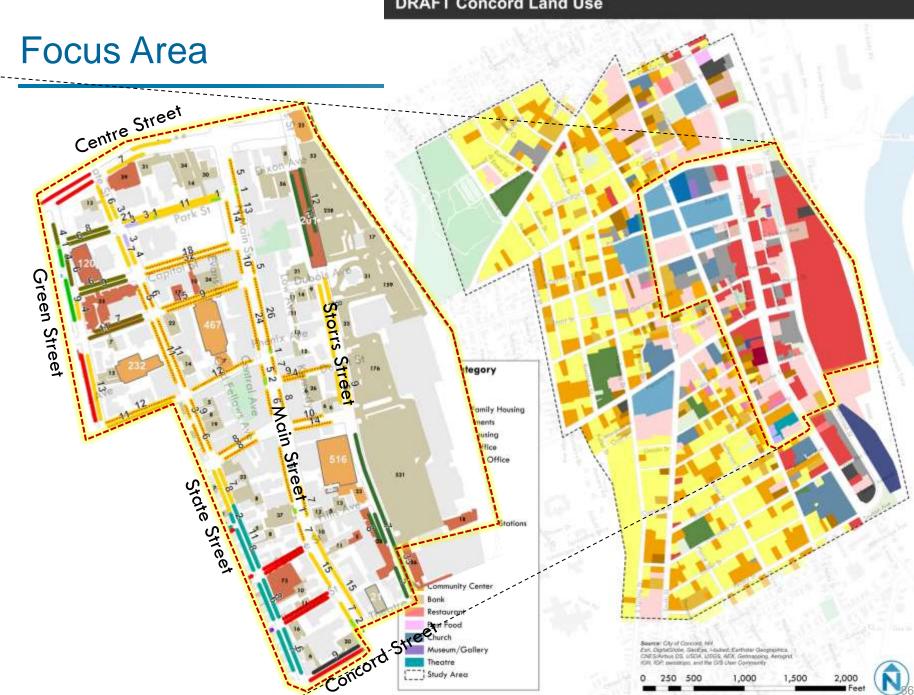


Shared Parking

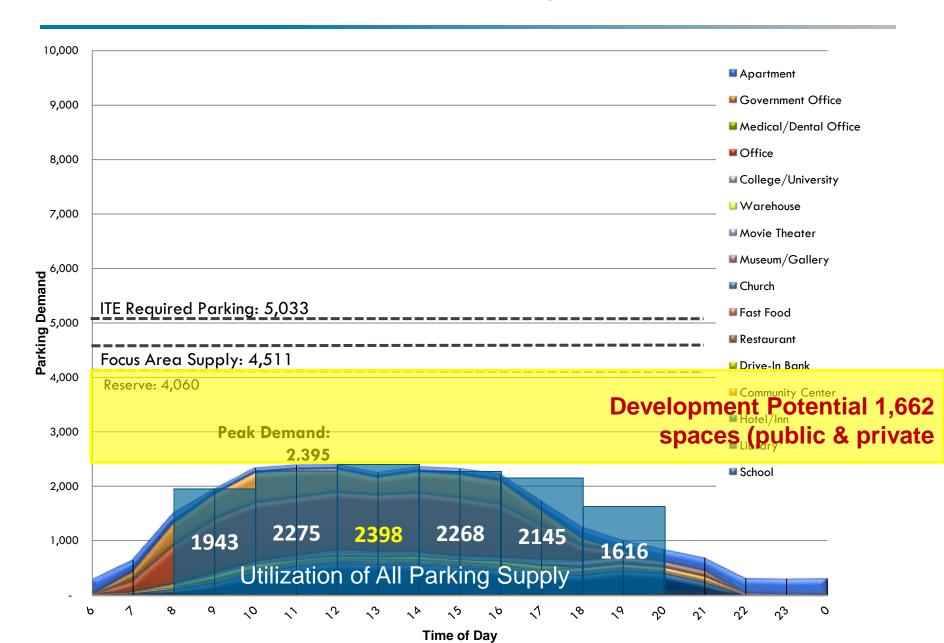
Mixed-use settings offer the opportunity to share parking spaces between various uses, thereby reducing the total number of spaces required compared to the same uses in stand-alone developments



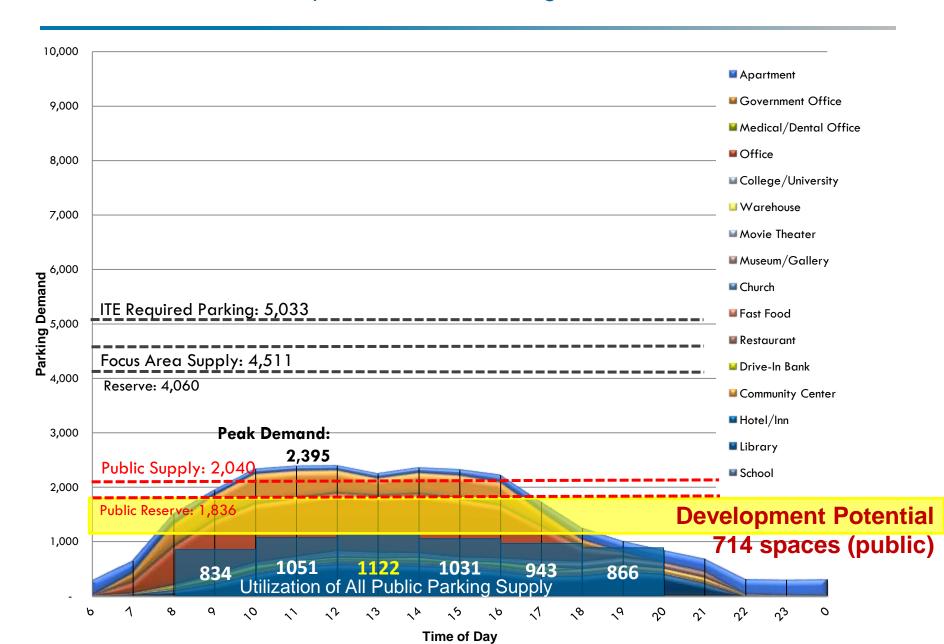




Observed Demand vs. Expected Shared Parking Demand – Focus Area



Observed Demand vs. Expected Shared Parking Demand – Focus Area

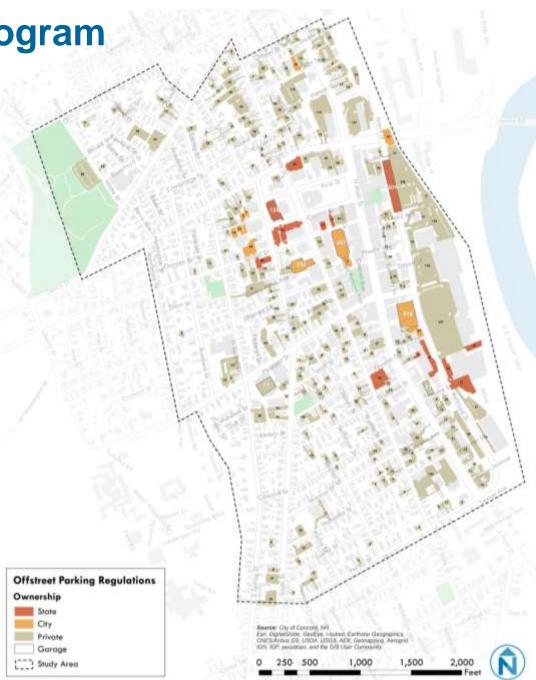


8. Shared Parking Program

Better utilize 5,000+ private spaces (plus garages)

 Develop tools, agreements, mechanisms to broker

Increase efficiencies up to 50%



9. Residential Parking Permit

 Address the employee parking spillover issues

– \$25 / year / vehicle

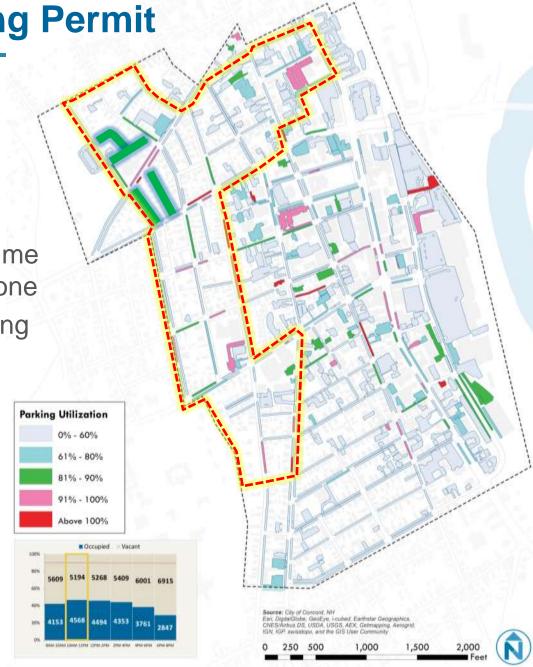
Max 2 / household

 Exempt from meter & time limits within the RPP zone

 Revenue goes to Parking Division

Renewed annually

Existing RPP zoneProposed RPP zone



10. Friendlier Enforcement



CONCORD

City pursues parking ticket payments

Enforcers raise threat of booting vehicles

By BEN LEUBSDORF

Monitor staff

5unday, May 20, 2012

If you have unpaid parking tickets in Concord, get ready: They're coming for you.



Live News » ConMonitorNews: RT @megan_e_doyle: I can't get this image out of my head. This piece from Veterans Day is one of @RayDuckler's best, in my opinion. http://(link); JUST IN ConMonitorNews: RT @susan_doucet: The District 7 state Senate recount is complete: Andrew Hosmer - 9,578 votes, Kathy Lauer-Rago, 9,423 votes #nhpolitics NHDOTIS9: ROADWORK COMPLETE: 1-89 North 03:25PM at mile marker 0.0 the right lane is now open. Slain NH journalist James Foley to receive First 03:20PM Amendment award ConcordNHGS: RT @EPAwater: Do you know 03:15PM how water gets from the source to our tap? (link) 03:05PM ConcordNHGS: RT @PeterGoodwin3: @NHDES's staff providing public education #saveyourpipes at NH Municipal Trade Fair.

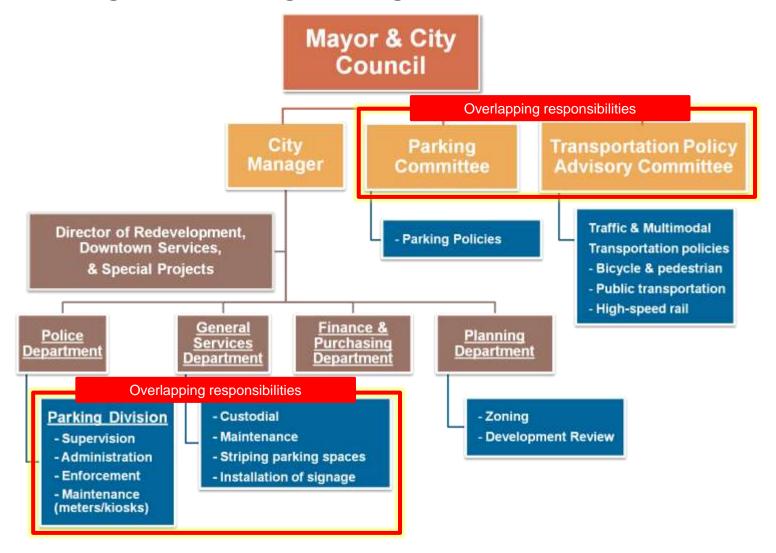
10. Friendlier Enforcement

- Use technology to increase enforcement efficiency
- Consider progressive fines
 - Maintain progressive fines, \$40 after 40 days, and \$60 after 60 days
- Enforcement as ambassadors/downtown safety



11. Governance/Administration Improvements

Change the Existing Parking Administration Structure



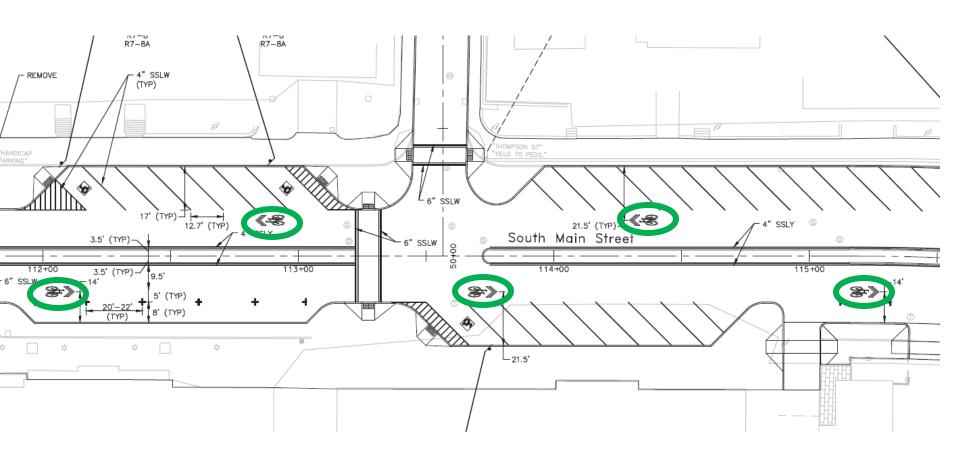
12. Improve Access – Pedestrians

- ADA compliance
- Garage entrance
- Curb extension
- Public safety
- Topography change b/w Main & Storrs



12. Improve Access – Bicyclists

- Main Street
 - Main street project: Bike Sharrow



12. Improve Access – Bicycle Parking







12. Improve Access – Transportation Choice

- Improve Pedestrian Accessibility
- Improve Bicycle Facilities/Parking
- Transportation Demand Management Programs
 - Employee Cash Out
 - Unbundle parking costs
 - Transit passes
 - Transit improvements
 - Ride matching
 - Car sharing
 - Preferential parking
 - Sheltered/secure bike parking and supportive facilities







